

The invention relates to a process for producing a catalytic converter, in which catalytically active material is electrochemically deposited on a substrate by immersing the substrate in an electrolyte which contains the catalytically active material and applying voltage between the substrate and a counterelectrode, in which process the catalytically active material is deposited on a metal substrate as a result of the substrate which is to be coated being acted on by current or voltage pulses of predetermined amplitude and/or frequency, the catalytically active material being directly securely joined to the substrate.